



Appl. no. 10/673,686  
ID# dated April 12, 2006

#0406

Modified Form PTO/SB/08A

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known

Application Number	10/673,686
Filing Date	September 29, 2003
First Named Inventor	Benjamin Eldridge
Group Art Unit	2829
Examiner Name	Ernest F. Karlsen
Attorney Docket No.	P7D7C2-US

U.S. PUBLISHED PATENT DOCUMENTS							
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publ./Issue Date	Related <sup>#</sup>	Copy Enclosed
		Number	Kind Code <sup>2</sup>				
EK	1.	5829128		Eldridge et al.	11/03/1998	x	No <sup>***</sup>
EK	2.	5998228		Eldridge et al.	12/07/1999	x	No <sup>***</sup>
EK	3.	5897326		Eldridge et al.	04/27/1999	x	No <sup>***</sup>
EK	4.	5983493		Eldridge et al.	11/16/1999	x	No <sup>***</sup>
EK	5.	5832601		Eldridge et al.	11/10/1998	x	No <sup>***</sup>
EK	6.	5864946		Eldridge et al.	02/02/1999	x	No <sup>***</sup>
EK	7.	6032356		Eldridge et al.	03/07/2000	x	No <sup>***</sup>
EK	8.	5878486		Eldridge et al.	03/09/1999	x	No <sup>***</sup>
EK	9.	5884398		Eldridge et al.	03/23/1999	x	No <sup>***</sup>
EK	10.	6655023		Eldridge et al.	12/02/2003	x	No <sup>***</sup>

*Check for class*

U.S. UNPUBLISHED PATENT APPLICATIONS						
Examiner Initials*	Cite No. <sup>1</sup>	Serial No.	Name of Applicant	Filing Date	Related <sup>#</sup>	Copy Enclosed
EK	11.	08/839761	Eldridge et al.	4/15/1997	x	Yes

Examiner Signature	/Ernest Karlsen/	Date Considered	06/01/2006
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\*\* Reference cited in parent application US Serial No. \_\_\_\_ 37 CFR § 1.98(d)

\*\*\* Pre-OG Notice By Deputy Commissioner Stephen G. Kunin dated July 11, 2003 waiving the requirement to file copies of US patent publications in applications filed after June 30, 2003.

& Notice dated October 19, 2004 by Deputy Commissioner for Patent Examination Policy waiving requirement to file copies of pending US patent applications if the applications are stored in the USPTO's IFW system.

# Commonly owned US patent or application whose subject matter may be related to the subject matter of the instance patent application.

#0903

Modified Form PTO/SB/08A

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<i>Complete If Known</i>			
		Application Number	Not known (continuation of 09/468,620)		
		Filing Date	September 29, 2003		
		First Named Inventor	Eldridge et al.		
		Group Art Unit	Not known 2829		
Examiner Name	Not known E. KARLSEN				
Sheet	1	of	7	Attorney Docket No.	P7D7C2-US

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>2</sup>			
E. J. K.	1.	3027502		Moriguchi	3/1962	
	2.	3832632		Ardezzzone	8/27/74	
	3.	3849872		Hubacher	11/1974	
	4.	4038599		Bove et al.	7/1977	
	5.	4281449		Ports et al.	8/4/1981	
	6.	4523144		Okubo et al.	6/1985	
	7.	4567433		Ohkubo et al.	1/1986	
	8.	4585727		Reams	4/1986	
	9.	4667219		Lee et al.	5/1987	
	10.	4673967		Hingorany	6/1987	
	11.	4697143		Lockwood et al.	9/1987	
	12.	4727319		Shahriary	2/1988	
	13.	4746857		Sakai et al.	5/1988	
	14.	4764723		Strid	8/1988	
	15.	4764848		Simpson	8/1998	
	16.	4780836		Miyazaki et al.	10/1988	
	17.	4870356		Tingley	9/1989	
	18.	4899099		Mendenhall et al.	2/1990	
	19.	4899107		Corbett et al.	2/1990	
	20.	4955523		Carlomagno et al.	9/1990	
	21.	4961052		Tada et al.	10/1990	
	22.	4983907		Crowley	1/8/91	
	23.	4983907		Crowley	1/1991	
E. J. K.	24.	4985676		Karasawa	1/1991	

Examiner Signature	Ernest P. Karsen	Date Considered	12-10-04
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			Group Art. Unit	Not known <b>Q829</b>	
Sheet	2	of	7	Examiner Name	<del>Not known</del> <b>E. KARLSEN</b>
				Attorney Docket No.	P7D7C2-US

class / sub class

U.S. PATENT DOCUMENTS						
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E. A. K.	25.	4985988		Littlebury	1/22/1991	
	26.	4998062		Ikeda	3/1991	
	27.	5047711		Smith et al.	9/1991	
	28.	5055780		Takagi et al.	10/1991	
	29.	5059899		Farnworth et al.	10/1991	
	30.	5070297		Kwon et al.	12/1991	
	31.	5073117		Malhi et al.	12/1991	
	32.	5130644		Ott	7/1992	
	33.	5130779		Agarwala et al.	7/1992	
	34.	5140405		King et al.	8/1992	
	35.	5148266		Khandros et al.	9/15/1992	
	36.	5187020		Kwon	2/16/93	
	37.	5187020		Kwon et al.	2/1993	
	38.	5189507		Carlomagno et al.	2/1993	
	39.	5195237		Cray et al.	3/1993	
	40.	5198752		Miyata et al.	3/1993	
	41.	5214375		Ikeychi et al.	5/1993	
	42.	5220277		Reitinger	6/1993	
	43.	5247250		Rios	9/1993	
	44.	5266889		Harwood et al.	11/1993	
	45.	5289631		Koopman et al.	3/1994	
	46.	5302555		Hirota et al.	4/1994	
	47.	5303938		Miller et al.	4/1994	
E. A. K.	48.	5325052		Yamashita	6/1994	

Examiner Signature	<b>Ernest N. Karlson</b>	Date Considered	<b>12-10-04</b>
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				Group Art Unit	Not known 2829
				Examiner Name	Not known E. KARGEN
Sheet	3	of	7	Attorney Docket No.	P7D7C2-US

class / sub class

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>3</sup>			
E.K.	49.	5329228		Comeav	7/1994	
	50.	5336992		Saito et al.	8/1994	
	51.	5338223		Malatti et al.	8/1994	
	52.	5355081		Nakata et al.	10/1994	
	53.	5363038		Love	11/1994	
	54.	5389556		Rostoker et al.	2/1995	
	55.	5389873		Ishii et al.	2/1995	
	56.	5391984		Worley	2/1995	
	57.	5397997		Tuekerman et al.	3/1995	
	58.	5410162		Tigelaar et al.	4/1995	
	59.	5424651		Green et al.	6/1995	
	60.	5434513		Fuji et al.	7/1995	
	61.	5436571		Karasawa	7/1995	
	62.	5440241		King et al.	8/1995	
	63.	5442282		Rostoker et al.	8/1995	
	64.	5444366		Chiu	8/1995	
	65.	5444386		Mizumura	8/1995	
	66.	5446395		Goto	8/1995	
	67.	5457398		Schwindt et al.	10/1995	
	68.	5457400		Alfmad et al.	10/1995	
	69.	5457400		Ahmad et al.	10/10/1995	
	70.	5461328		Devereaux et al.	10/1995	
	71.	5476211		Khandros	12/1995	
E.K.	72.	5479108		Cheng	12/1995	

Examiner Signature	Ernest P. Kargen	Date Considered	12-10-04
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				Group Art Unit	Not known 2829
Examiner Name	Not known E. Karsen				
Sheet	4	of	7	Attorney Docket No.	P7D7C2-US

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document <sup>2</sup>		Name of Patentee or Applicant	Publication Date	Relevant Portions
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E.T.K.	73.	5479109		Lau et al.	12/1995	
	74.	5483175		Ahmad et al.	1/1996	
	75.	5488292		Tsuta	1/1996	
	76.	5489538		Rostoker et al.	2/1996	
	77.	5495667		Farnworth et al.	3/5/1996	
	78.	5497079		Yamada et al.	3/1996	
	79.	5506498		Anderson et al.	4/1996	
	80.	5510724		Itoyama et al.	4/1996	
	81.	5513430		Yanof et al.	5/1996	
	82.	5517126		Yamaguchi	5/1996	
	83.	5518964		DiStefano et al.	5/1996	
	84.	5525545		Grube et al.	6/1996	
	85.	5532609		Harwood et al.	7/1996	
	86.	5532610		Tsujide et al.	7/1996	
	87.	5532614		Chiu	7/1996	
	88.	5534784		Lum et al.	7/1996	
	89.	5534786		Kaneko et al.	7/1996	
	90.	5539325		Rostoker et al.	7/1996	
	91.	5550482		Sano	8/1996	
	92.	5555422		Nakano	9/1996	
	93.	5559444		Farnworth et al.	9/1996	
	94.	5559446		Sano	9/1996	
	95.	5561594		Wakefield	10/1996	
E.T.K.	96.	5568056		Ishimoto	10/1996	

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				Group Art Unit	Not known <b>2829</b>
Examiner Name	Not known <b>E. KARLEN</b>				
Sheet	5	of	7	Attorney Docket No.	P7D7C2-US

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<b>E.T.K.</b>	97.	5570032		Adkins et al.	10/1996	
	98.	5585282		Wood et al.	12/1996	
	99.	5585737		Shibata	12/1996	
	100.	5601740		Eldridge et al.	2/1997	
	101.	5616953		King et al.	4/1997	
	102.	5640762		Farnworth et al.	6/1997	
	103.	5648661		Rostoker et al.	7/1997	
	104.	5665654		Stansbury	9/1997	
	105.	5726580		Wood et al.	3/1998	
	106.	5756370		Farnworth et al.	5/1998	
	107.	5772451		Dozier II et al.	6/30/1998	
	108.	5783461		Hembree	7/1998	
	109.	5806181		Khandros et al.	9/1998	
	110.	5917707		Khandros et al.	6/1999	
	111.	5974662		Eldridge et al.	11/2/1999	
	112.	6029344		Khandros et al.	2/29/2000	
<b>E.T.K.</b>	113.	6336269		Eldridge et al.	1/8/2002	

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Examiner Name	Not known <b>E. KARLFEN</b>				
Sheet	6	of	7	Attorney Docket No.	P7D7C2-US

FOREIGN PATENT DOCUMENTS							
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<b>E. J. H.</b>	114.	DE	3129568		Beetzsen et al.	4/22/1982	x
	115.	EP	002166		Hammer et al.	5/30/1979	
	116.	EP	396248		Nakamura et al.	11/7/1990	
	117.	EP	500074		Dohya	8/26/1992	
	118.	EP	544305		Ouchi et al.	6/2/1993	
	119.	EP	614089		Bhatt et al.	9/7/1994	
	120.	FR	2643753		Blanchard et al.	1/31/1990	
	121.	FR	2680284		Christian	2/12/1993	
	122.	JP	4-322441		Sakai	11/12/92	x
	123.	JP	2-034949		Ishida	2/5/1990	x
	124.	JP	3-142847		Ishida	6/18/1991	x
	125.	JP	3268329		Hirōmichi	11/29/1991	x
	126.	JP	4-240570		Naoaki	8/27/92	x
	127.	JP	4-322441		Yuji	11/12/92	x
	128.	JP	5-259334		Sasaki	10/8/1993	x
	129.	JP	57043452		Iwade	3/11/1982	x
	130.	JR	59061952		Umetsa	4/9/1984	x
	131.	JP	59088860		Isamu	5/22/1984	x
	132.	JP	61051838		Kawaji	3/14/1986	x
	133.	JP	61-075554		Masamoto et al.	4/17/86	x
	134.	JP	61144034		Shuichi	7/1/1986	x
	135.	JP	61244057		Kato	10/30/1986	x
	136.	JP	61287254		Komabayashi	12/17/1986	x
	137.	JP	61-75554		Masamoto et al.	4/17/1986	x
	138.	JP	62-65575		Masamitsu et al.	9/22/94	x
<b>E. J. H.</b>	139.	WO	91/12706		Leedy	8/22/1991	

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OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
E.T.K.	140.	"Method Of Testing Chips And Joining Chips To Substrates," Research Disclosure, no. 322 (Feb. 1, 1991), pg. 130 (XP000169195)	
E.T.K.	141.	Shih et al., "A Novel Elastomeric Connector For Packaging Interconnections, Testing And Burn-In Applications," Proceedings Of The Electronic Components And Technology Conference (May 21, 1995 IEEE), pp. 126-133 (XP000624964)	
E.T.K.	142.	"Bimetal VLSI Chip Interconnections," IBM Technical Disclosure Bulletin, vol. 29 no. 11 (April 1987), pp. 5021-5022 (XP002040446)	
E.T.K.	143.	BEST, "Flexible Probe," IBM Technical Disclosure Bulletin, vol. 15 no. 11, pp. 3428-3429, APRIL, 1973	

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